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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/883,621	06/18/2001	John W. Huffman	10012116	2953

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08/07/2003

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

NGUYEN, KIMBERLY D

ART UNIT	PAPER NUMBER
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2876

DATE MAILED: 08/07/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/883,621

Applicant(s)

HUFFMAN, JOHN W. *NC*

Examiner

Kimberly D. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 March 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Amendment

1. Receipt is acknowledged of Amendment filed 30 April 2003.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll et al. (US 5,266,944; hereinafter "Carroll") in views of Lyons et al. (US 6,411,209; hereinafter "Lyons") and Bursell et al. (US 5,993,001; hereinafter "Bursell").

Carroll teaches a surveillance system comprising:

a camera 28 (fig. 1);

a detection/sensor mechanism 30, 31 to cause/activate the camera 28 in response to detection of an event of another person enters the residence 22 (fig. 1; col. 14, lines 3-23; col. 16, lines 26-35).

Although, Carroll teaches a camera 28 which takes picture(s) of person entering the residence/room 22; Carroll fails to specifically teaches or fairly suggests that the camera is digital, which takes one or more photos of a person; a face detection and selection mechanism to determine a best photo of the one or more photos of the person, the best photo including a best picture of the face of the person from which the person is most easily recognized; and a database

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to store the best photo of the face of the person with at least a current date in which the best photo was taken, the database also storing a plurality of best photos of faces of people.

Lyons teaches a digital camera 114, 116 which takes one or more photos of a person; a face detection and selection mechanism to determine a best photo of the one or more photos of the person, the best photo including a best picture of the face of the person from which the person is most easily recognized (fig. 1; abstract; col. 3, lines 22-65; col. 5, line 8 through col. 6, line 13).

It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to incorporate a digital camera with photo detection and selection mechanism for taking images of people as taught by Lyons to the teachings of Carroll in order to review and select the "best" picture/image prior to storing the image for processing thereafter (i.e., the image is processed immediately within the camera) to further provide convenience and time saving to the user/operator, and to preserve the memory space. Furthermore, such modification would have been an obvious expedient, well within the ordinary skill in the art, of providing Carroll with the latest technology of digital recording in lieu of a tape recording means.

Carroll as modified by Lyons fails to teach or fairly suggest a database to store the best photo of the face of the person with at least a current date in which the best photo was taken, the database also storing a plurality of best photos of faces of people.

Bursell teaches an imaging system, wherein the image includes legends such as, patent name, medical record number, date and time information (col. 3, lines 12-17). Bursell also teaches image data may be stored in a database (col. 7, lines 37-59).

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It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to incorporate the photo with photo date taken as taught by Bursell to the teachings of Carroll in view of Lyons in order to provide date identification to the photo to further keep track of the photos with date taken on it.

4. Claims 3 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll in view of Lyons and Bursell as applied to claim 1 above, and further in view of Lee et al. (US 5,151,945; hereinafter "Lee"). The teachings of Carroll in view of Lyons and Bursell have been discussed above.

Although, Carroll teaches the detector/sensor 30, 31 may be of an optical or motion detector/sensor (col. 16, lines 32-35) to activate the camera 28 to take photo of a person entering the residence 22 (col. 14, lines 19-23); Carroll in view of Lyons and Bursell fails to teach or fairly suggest the detection mechanism comprises a video camera, such that a change in a field of view of the video camera from an earlier frame to a later frame of the video camera causes the digital camera to take one or more photos.

Lee teaches video universal motion and intrusion detection system, wherein the detection mechanism comprises a video camera 11, 12, such that a change in a field of view of the video camera to signal an alarm (fig. 1A; col. 3, lines 31-58).

It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to integrate the video camera, such that a change in a field of view of the video camera may sound the alarm as taught by Lee to the teachings of Carroll in view of Lyons and Bursell in order to manipulate a video camera with a change in a field of view to activate the camera.

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5. Claims 4-5, 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll in view of Lyons and Bursell as applied to claim 1 above, and further in view of Clever (US 4,145,715; hereinafter "Clever"). The teachings of Carroll in view of Lyons and Bursell have been discussed above.

Carroll teaches the detection mechanism 30, 31 may be of an optical or motion detector/sensor (col. 16, lines 32-35) to cause/activate the camera 28 to take photo of a person in response to the detection of an event i.e., a person entering the residence 22 (col. 14, lines 19-23); Carroll as modified by Lyons and Bursell fails to specifically teach or fairly suggests that the detection mechanism comprising a cash register that causes to take one or more photos in response to detection of an event such as ringing up a sale to the person on the cash register.

Clever teaches a surveillance system having a camera used in conjunction with a cash register 14 at a point of sale transaction, wherein the functionality of the cash register is to ring up a sale to a person on the cash register for a transaction purpose (fig. 1; col. 1, lines 46-52; col. 2, lines 3-9; col. 2, line 66 through col. 3, line 28; col. 4, lines 40-47).

It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to apply the detection mechanism of Carroll as modified by Lyons and Bursell to the point of sale transaction system as taught by Clever in order to obtain a clear image identification detection system in sale environment for the purpose of capturing the customer's identification and image record keeping. Such modifications would provide a clear identification of the customer for a future transaction validation. Accordingly, it would have been an obvious modification as taught by Carroll as modified by Lyons and Bursell in applying a known system to other operations.

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6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll in view of Lyons and Bursell as applied to claim 1 above, and further in view of Monroe (US 6,366,311; hereinafter "Monroe"). The teachings of Carroll in view of Lyons and Bursell have been discussed above.

Carroll as modified by Lyons and Bursell is silent to the detection mechanism is a digital camera.

Monroe teaches a plurality of image sensors, which serves as detection mechanism, generating data for the aircraft navigation system, wherein image sensors are digital cameras (col. 3, lines 5-38).

It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to incorporate the digital camera as a detection mechanism as taught by Monroe to the teachings of Carroll as modified by Lyons and Bursell in order to review and select the "best" picture/image prior to storing the image for processing thereafter (i.e., the image is processed immediately within the camera) to further provide convenience and time saving to the user/operator, and to preserve the memory space. Furthermore, such modification would have been an obvious expedient, well within the ordinary skill in the art, of providing Carroll with the latest technology of digital recording in lieu of a tape recording means.

7. Claims 8-9, 17 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll in view of Lyons and Bursell as applied to claim 1 above, and further in view of Kuperstein et al. (US 6,128,398; hereinafter "Kuperstein"). The teachings of Carroll as modified by Lyons and Bursell have been discussed above.

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Although, Carroll as modified by Lyons and Bursell teaches image data is stored in the memory, wherein the memory inherently contains a database to store images (col. 3, lines 55-65); Carroll as modified by Lyons and Bursell fails to teach or fairly suggests the face detection and selection mechanism at least one compresses and encrypts the best photo of the face.

Kuperstein teaches a facial image to be compressed and encrypted (figs. 1-2 and 7; col. 4, lines 20-31; col. 5, lines 35-54; col. 13, line 63 through col. 14, line 27).

It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to incorporate the facial encryption and compression as taught by Kuperstein to the teachings of Carroll as modified of Lyons and Bursell in order to provide encryption and compression to the facial image data to further secure the data from an unauthorized personnel from accessing the data and to save hard drive space by compressing the image data.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Gutta et al. (US 6,593,852) teaches intruder detection through trajectory analysis in monitoring and surveillance systems. Reddington (US 6,115,556) teaches digital camera back accessory and methods of manufacture.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly D. Nguyen whose telephone number is 703-305-1798. The examiner can normally be reached on Monday-Friday 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 703-305-3503. The fax phone numbers for the

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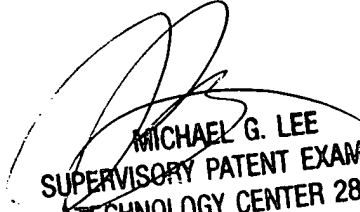
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organization where this application or proceeding is assigned are 703-305-1341 for regular communications and 703-305-1341 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-8792.

KDN
July 28, 2003



MICHAEL G. LEE
SUPERVISORY PATENT EXAMINER
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